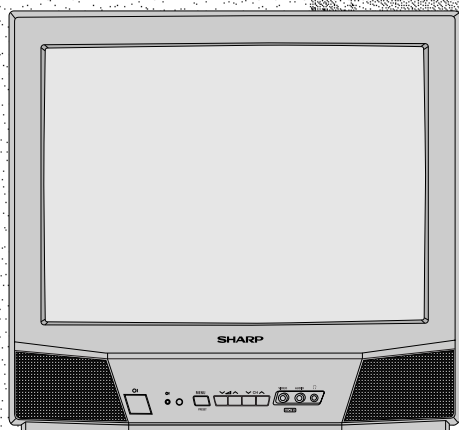


SHARP®

COLOUR TELEVISION

MODEL
CX51LTXZ

■ OPERATION MANUAL ■



Please read this operation manual
carefully before using the colour
television

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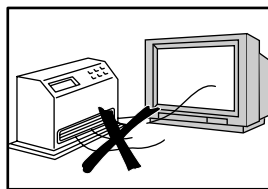
Dear Sharp Customer

Thank you for buying SHARP Colour Television Receiver. To ensure proper operation, please read this manual carefully. After reading, keep this manual in a safe place for future reference.

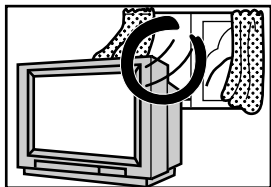
Safety Precautions



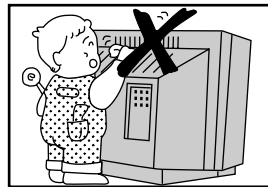
To prevent fire or electrical shock, do not use the TV set in an excessively damp place.



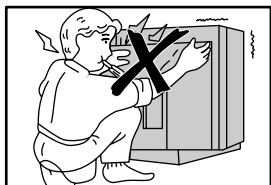
Position the TV set out of direct sunlight and away from heat, as high temperatures can damage the cabinet, CRT, or other electronic parts.



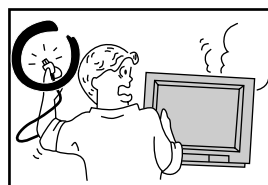
Do not cover the ventilation holes at the back of the TV set, this can cause fire or other serious problems. Leave an adequate open space behind the TV set for good ventilation.



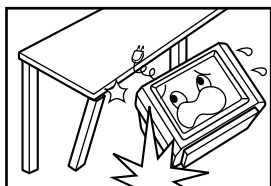
Never insert or drop any metallic or inflammable objects into the ventilation holes of the TV set, this can cause fire, electrical shock, or electrical failure. Do not place a flower vase or anything else containing liquid on the TV set, as liquid spilt on the TV set can cause serious problems.



Never remove the back of the cabinet, as there is high voltage inside the TV set.



Unplug the power cord from the wall outlet immediately if the TV set begins to make unusual noises or give off smoke or an odd smell, then call our service centre for service.

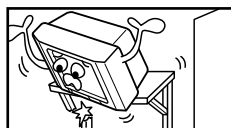


Do not place this television equipment on an unstable cart, stand or table. The television equipment may fall, causing serious injury to a child or an adult and serious damage to the equipment. Use only with a cart or stand recommended by the manufacturer, or sold with the television equipment.

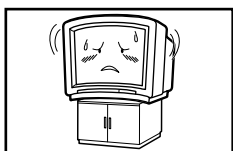
Safety Precautions (continued)



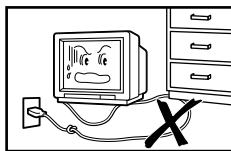
Television equipment and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.



Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.



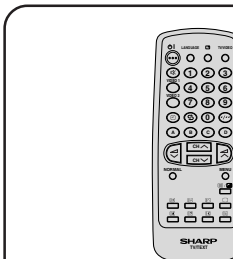
Do place the TV set onto an even stand, table or track which size is bigger than the TV set.
If the TV set is put onto a smaller size or uneven stand, table or track may cause the TV cabinet distort.
Do not put or insert anything between TV set and the stand, table or track.



To prevent electrical shock, do not subject the AC power cord to damage by bending or twisting it, or by placing heavy items on top of it and do not place the AC power cord under the TV set. If the AC power cord becomes damaged, unplug it from the wall outlet immediately and call your dealer for service.

Accessories

After unpacking, check to make sure that the following accessories are included:



Remote control



Size-AA dry batteries

Antenna Connection

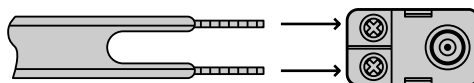
• The following is a brief explanation of the types of connection that are used for coaxial cables:

- (1) If your outdoor antenna uses a 75-ohm coaxial cable, then the connection to the TV is via DIN45325 plug (shown at right). Plug this into the antenna jack at the rear of the TV set.



75-ohm coaxial cable (round cable)

- (2) If your outdoor antenna uses a 300-ohm twin-lead flat feeder, change this for a 300-ohm to 75-ohm impedance converter and plug it into the antenna jack at the rear of the TV set.



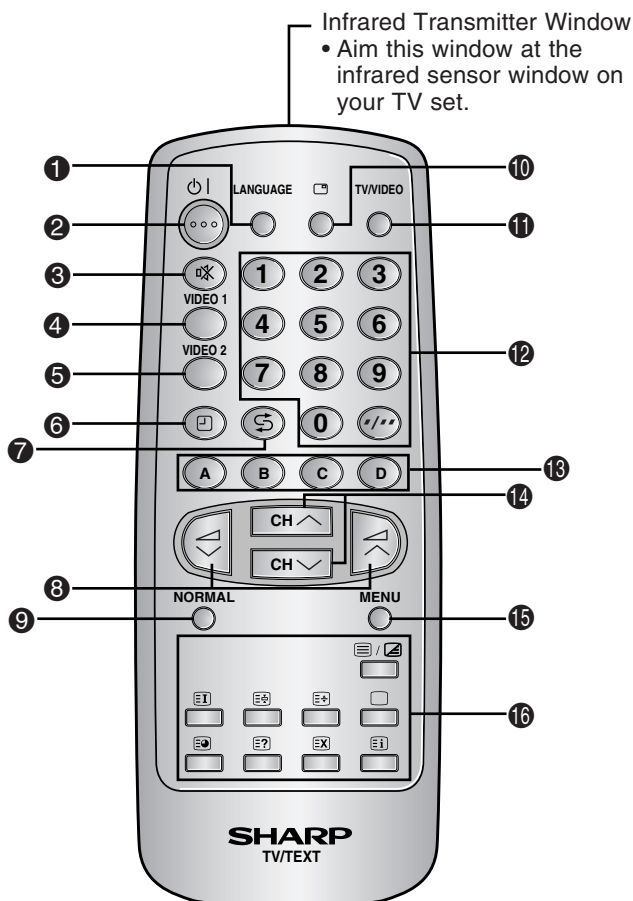
300-ohm twin-lead feeder

NOTE

• Remove the power cord from the electrical outlet before connecting the antenna to the rear of the TV set.

Location of Controls

Remote Control

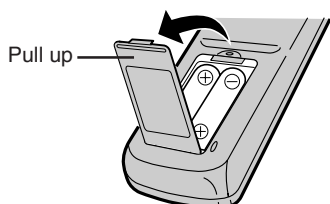


- ❶ **LANGUAGE** button
- ❷ **STANDBY/ON** (⏻) button
- ❸ **SOUND MUTE** (🔇) button
 - Press → Mutes sound.
 - Press again → Restores sound to previous level.
- ❹ **VIDEO 1** button
- ❺ **VIDEO 2** button
- ❻ **TIMER** button
 - For directly enter to OFF TIMER, ON TIMER and REMINDER.
- ❼ **FLASHBACK** (↶) button
 - Returns to previously viewed channel.
- ❽ **VOLUME UP** (⏮) or **DOWN** (⏭) button
 - Used to adjust the volume.
 - These buttons are also used for MENU set up.
- ❾ **NORMAL** button
- ❿ **CALL** (📞) button
 - Displays the channel and timer settings on the screen.
- ⓫ **TV/VIDEO** Select button
- ⓬ **CHANNEL SELECT** buttons (❶ - ❾, ❶ and 📶 button)
 - These buttons are also used to operate TELETEXT functions. (except 📶 button)
- ⓭ **COLOUR** buttons
 - These buttons are used to operate TELETEXT functions. (see page 20)
 - Favourite channels. (see page 18)
- ⓮ **CHANNEL UP** (CH⏮) or **DOWN** (CH⏭) button
 - Used to select the CHANNEL.
 - These buttons are also used for MENU set up.
- ⓯ **MENU** button
 - Used to call the MENU screen.
- ⓰ **TELETEXT** Control buttons
 - These buttons are used to operate TELETEXT functions. (see page 20)

■ Installing dry batteries in the remote control unit

When using the TV set for the first time, install the supplied dry batteries in the remote control.

Inserting Batteries

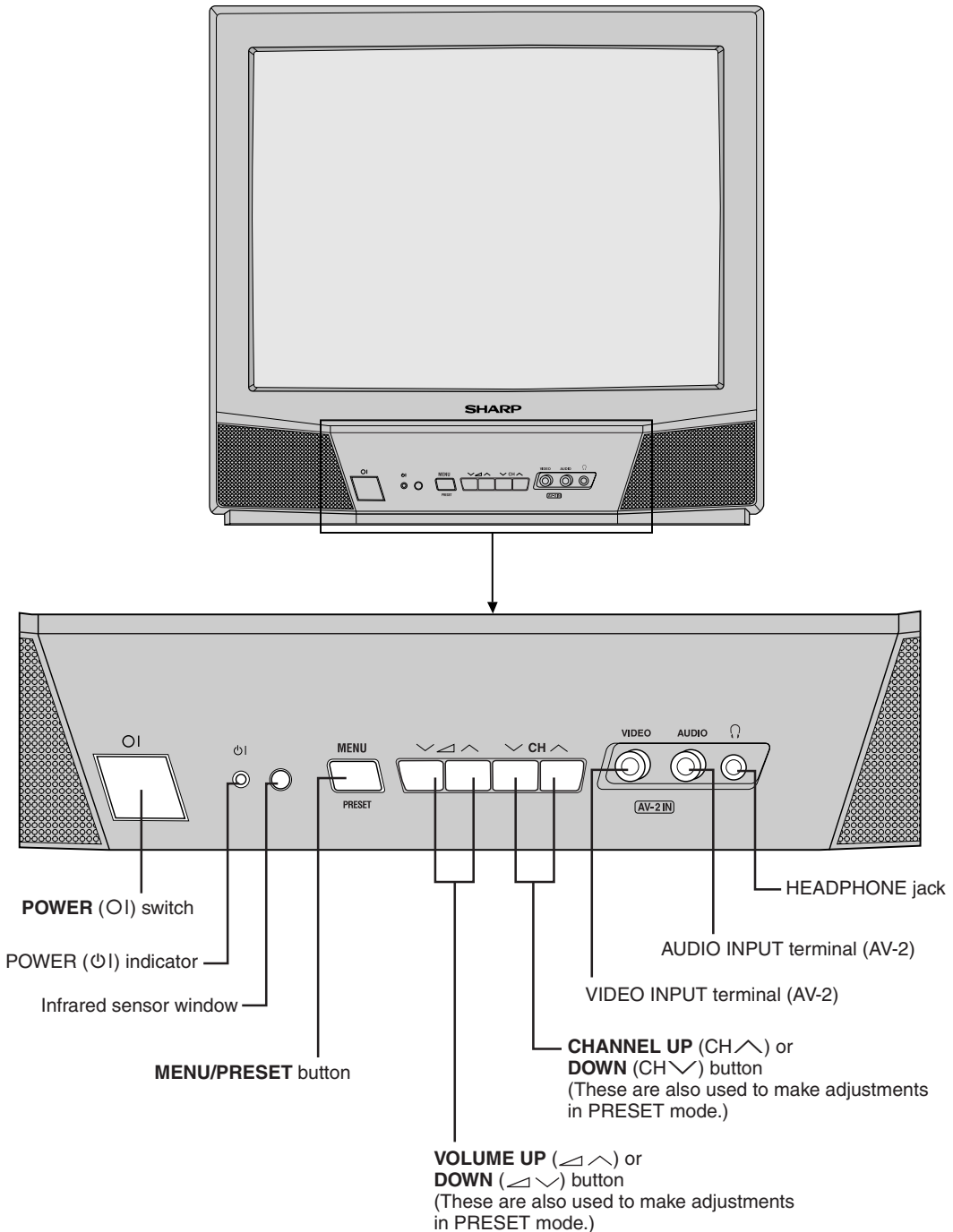


- ❶ With your thumbnail, pull up the slit as indicated by the arrow to remove the back cover.
- ❷ Insert two batteries (size "AA"). Be sure to match the battery ⊕/⊖ terminals with the ⊕/⊖ marks inside the compartment.
- ❸ Put back the battery cover.

NOTE

- Remove batteries if weak or if the unit is not in use for long periods.
- Do not mix old and new batteries.
- Incorrect installation of the batteries may damage the remote control.

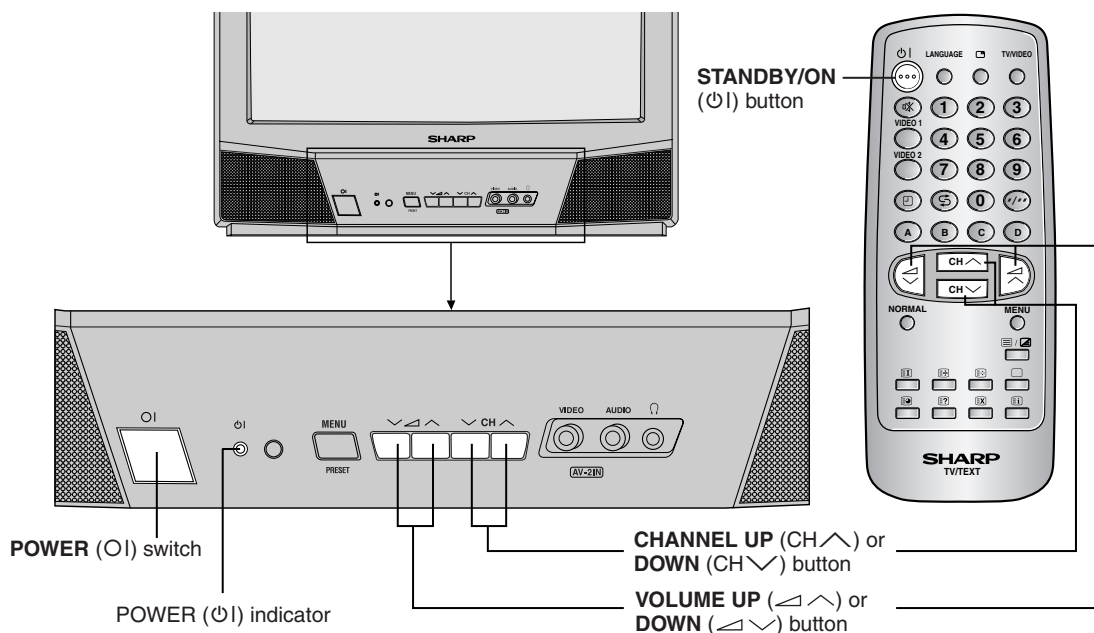
TV Front



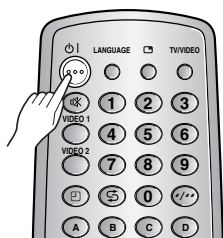
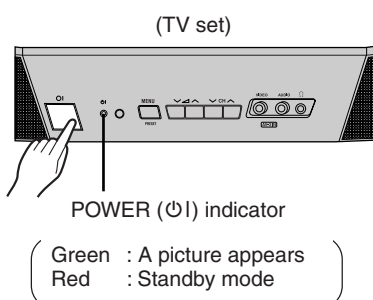
Headphone Jack

- Select an appropriate volume so as not to injure your hearing.
- To avoid injure your hearing, do not put on the headphone on your ear before plug in the headphone to the headphone jack and before the power is turn on.
- Take out the headphone from your ear before unplug the headphone from headphone jack and before the power is turn off.
- The proper impedance for the headphone is 32 ohms.
- Remove the headphone plug from the jack when not using the headphone.

Basic Operation



(1) Turn On the Power



① Press the **POWER (O/I)** switch on the TV set to turn the TV set ON. The **POWER (O/I)** indicator lights up in red.

② Press the **STANDBY/ON (O/I)** button on the remote control or either the **CHANNEL UP (CH^)** or **DOWN (CHv)** button on the TV set. The **POWER (O/I)** indicator changes from red to green and a picture appears on the screen.

(On-screen display)

1
PAL

NOTE

- Due to factory setting, when the first time you press the **POWER (O/I)** switch on the TV set, a picture appears and the **POWER (O/I)** indicator lights up green.
- The **STANDBY/ON (O/I)** button on the remote control lets you switch between ON and Standby mode when the main power is ON.
- If you will not be at home for a considerable length of time, as a safety precaution, turn off the main power by pressing the **POWER (O/I)** switch on the TV set and unplug the cord from the outlet.

(2) Changing the Channels

Changing channels with the CHANNEL UP (CH $\wedge$) or DOWN (CH $\vee$) button on the remote control

Press the **CHANNEL UP** (CH $\wedge$) button and the channels change in the order shown below:

1 $\rightarrow$ 2 $\rightarrow$ 3 $\rightarrow$... $\rightarrow$ 98 $\rightarrow$ 99 $\rightarrow$ 0 $\rightarrow$ 1 $\rightarrow$ 2 $\rightarrow$ 3 $\rightarrow$...

Press the **CHANNEL DOWN** (CH $\vee$) button and the channels change in the order shown below:

3 $\rightarrow$ 2 $\rightarrow$ 1 $\rightarrow$ 0 $\rightarrow$ 99 $\rightarrow$ 98 $\rightarrow$... $\rightarrow$ 3 $\rightarrow$ 2 $\rightarrow$ 1 $\rightarrow$...

NOTE

- When selecting the channel using the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button on the TV set, AV mode is positioned as follows:
Channel up: 1 $\rightarrow$ 2 $\rightarrow$ 3 $\rightarrow$... $\rightarrow$ 98 $\rightarrow$ 99 $\rightarrow$ AV1 $\rightarrow$ AV2 $\rightarrow$ 0 $\rightarrow$ 1 $\rightarrow$ 2 $\rightarrow$ 3 $\rightarrow$...
Channel down: 3 $\rightarrow$ 2 $\rightarrow$ 1 $\rightarrow$ 0 $\rightarrow$ AV2 $\rightarrow$ AV1 $\rightarrow$ 99 $\rightarrow$ 98 $\rightarrow$... $\rightarrow$ 3 $\rightarrow$ 2 $\rightarrow$ 1 $\rightarrow$...
- Skipped channels will not be displayed when selecting the channel using the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button.

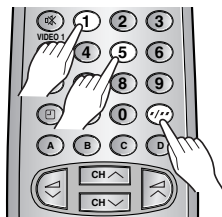
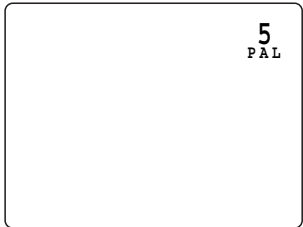
Changing channels using the CHANNEL SELECT buttons on the remote control

- To handle the increasing number of channels available, this TV set allows you to select up to 100 positions (Channels 0 to 99). One-digit and two-digit methods of selection can be used. Follow the procedure shown below to select channels.



To select a one-digit channel (e.g., Channel 5):

- (1) Press the **5** button.
- (2) If "5-" is indicated and the picture does not change, press the **...** button to switch over to the 1-digit select mode and press the **5** button again.

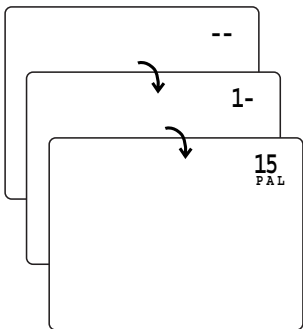


To select a two-digit channel (e.g., Channel 15):

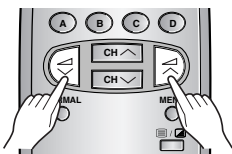
- (1) Press the **...** button to set the 2-digit select mode.
- (2) Press the **1** button.
- (3) Press the **5** button.

NOTE

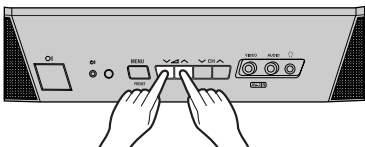
- In this mode entering a 0 first will enable selection of single digit channels e.g. 07.
- Complete this procedure within 5 seconds, otherwise the selection will not be made.



(3) Adjusting the Volume



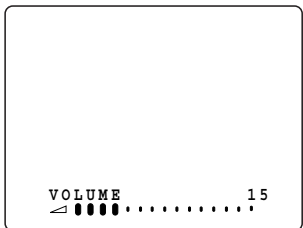
(TV set)



Press the **VOLUME UP** (speaker icon) or **DOWN** (speaker icon with slash) button to adjust the volume.

The number of oval blocks "■" indicates volume level.

The display disappears approximately 3 seconds after the volume adjustment has been completed.



On-Screen Display language selection



6-LANGUAGE ON-SCREEN DISPLAY

■ The language for this unit's On-Screen Display can be set to **ENGLISH, RUSSIAN, CHINESE, ARABIC, FRENCH or MALAY.**

■ Setting the On-Screen Display language

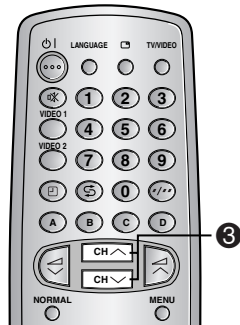
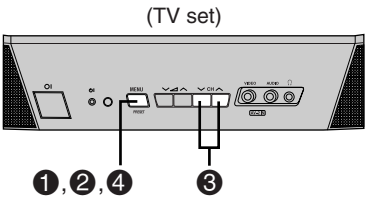
- 1 Press the **LANGUAGE** button on the remote control. The LANGUAGE select mode screen appears.
- 2 Press the **CHANNEL UP** (CH^) or **DOWN** (CH^) button to select the language you wish to display. The selected language will be highlighted in yellow.
- 3 Wait for approximately 5 seconds to return to the normal screen.

NOTE

- Press **LANGUAGE** button can also select the language you wish.

(LANGUAGE screen)

◆ENGLISH
РУССКИЙ
中文
البنية
FRANCAIS
BAHASA MELAYU



The **MENU/PRESET** button on the TV set can also be used to select the language.

- 1 Press the **MENU/PRESET** button on the TV set for more than two seconds to display the PRESET mode screen.
- 2 Press the **MENU/PRESET** button until the LANGUAGE select mode screen appears.
- 3 Press the **CHANNEL UP** (CH^) or **DOWN** (CH^) button to select the language you wish to display.
- 4 Press the **MENU/PRESET** button to return to the normal screen.

NOTE

- Press **LANGUAGE** button can also select the language you wish.

AUTO (B/G) 1
VHF 48.25MHz

(LANGUAGE screen)

◆ENGLISH
РУССКИЙ
中文
البنية
FRANCAIS
BAHASA MELAYU

SELECT: CH^

RETURN: MENU

NOTE

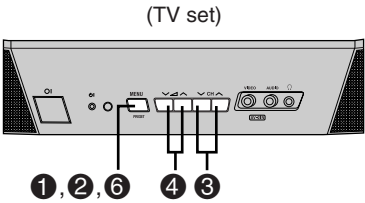
- The PRESET mode changes in the following order by pressing the **MENU/PRESET** button on the TV set.

AUTO → MANUAL → LANGUAGE → NORMAL SCREEN

Presetting the Channels (MANUAL)

Manual Channel Preset (MANUAL):

Tuning in one or more channels. (e.g. tuning the TV to a VCR, tuning in an additional TV station.)



1 Press the **MENU/PRESET** button on the TV set for more than 2 seconds. The AUTO mode screen appears.

2 Press the **MENU/PRESET** button again to display the MANUAL mode screen.

3 Select the desired channel position or preset number using the **CHANNEL UP** (CH ^) or **DOWN** (CH v) button. (e.g. channel 5)

4 Press the **VOLUME UP** (▲) or **DOWN** (▼) button on the TV set to start searching for the TV station you want to preset. Search is initiated and when a TV signal is received during the search, the search stops. Repeat this process until the desired channel is found.

5 Repeat steps 3 and 4 above to preset the channel positions for other broadcasts.

6 Press the **MENU/PRESET** button until the normal screen appears.

AUTO (B/G)
VHF 1
48.25MHz

MANUAL (B/G)
VHF 1
48.25MHz

MANUAL (B/G)
VHF 5
48.25MHz

Channel position number

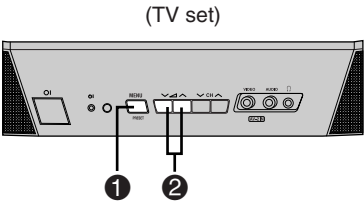
NOTE

- The PRESET mode changes in the following order by pressing the **MENU/PRESET** button on the TV set.

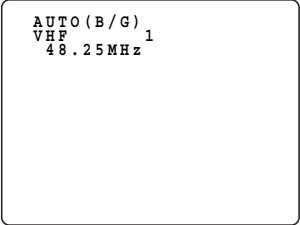
AUTO → MANUAL → LANGUAGE → NORMAL SCREEN
↑

Presetting the Channels (AUTO)

Full Auto Channel Preset (AUTO):
Automatically tunes in and presets all receivable TV stations, using consecutive channel numbers.



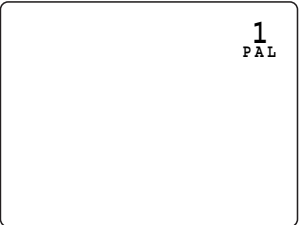
1 Press the **MENU/PRESET** button on the TV set for more than 2 seconds. The AUTO mode screen appears.



2 Press the **VOLUME UP** (↖↗) or **DOWN** (↖↘) button on the TV set.
All the TV stations in your area that can be received by the TV set are automatically preset between channels 1 to 99. (This process may take a few minutes to complete.)

3 The screen shows whatever is on channel 1 when full auto channel preset is finished.

NOTE ➤
• Unused channels are automatically skipped.



NOTE ➤

- AUTO PRESET stores all receivable channels including those which may be very weak and not clearly visible. To preset only those channels designated for the local viewing region, use MANUAL PRESET. (see page 8)
- The PRESET mode changes in the following order by pressing the **MENU/PRESET** button on the TV set.

AUTO → MANUAL → LANGUAGE → NORMAL SCREEN

↑

Channel Settings

Channel settings: Picture system setting for each channel.

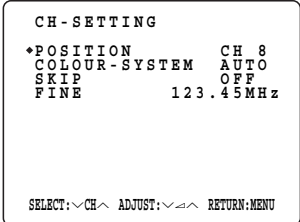


- 1 Press the **MENU** button to call the MENU screen.
- 2 Press the **CHANNEL UP** (CH ^) or **DOWN** (CH v) button to select "CH-SETTING".
- 3 Press the **VOLUME UP** (speaker icon with ^) or **DOWN** (speaker icon with v) button to display the CH-SETTING menu.
- 4 Press the **CHANNEL UP** (CH ^) or **DOWN** (CH v) button to select the desired function mode.
- 5 Press the **VOLUME UP** (speaker icon with ^) or **DOWN** (speaker icon with v) button to adjust function settings:
 - **POSITION:**
The channel position changes to the upper or lower number.
 - **COLOUR-SYSTEM:**
The mode changes in the following order:
AUTO ↔ PAL (see note below)
 - **SKIP:**
When skip is set to ON, that channel can no longer be selected with the **CHANNEL UP** (CH ^) or **DOWN** (CH v) button – only with the numeric buttons on the remote control. The mode changes in the following order:
ON ↔ OFF
Channel numbers with a red dot on the left are set to SKIP. To turn off SKIP, press the **CHANNEL SELECT** buttons to select the desired channel, and then set the SKIP mode on the CH-SETTING menu to "OFF".
 - **FINE:**
The frequency changes to allow fine tuning.
- 6 Press the **MENU** button until the normal screen appears.

(MENU screen)



(CH-SETTING menu)

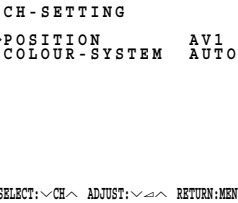


NOTE

- Switching COLOUR system
Set the system to AUTO for normal TV reception. The AUTO mode automatically detects the receiving signal system and changes the reception system of the TV set. When the picture is not stable, switching to an appropriate system may improve the picture quality.
- When using FINE tuning, the channel number changes from green to yellow.
- To return the channel to its original frequency setting, follow the manual channel preset procedure. (Please see page 8 "Manual Channel Preset (MANUAL)" for details.)

NOTE

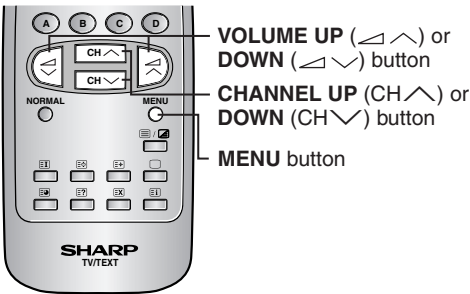
- When you select the channel position AV1 or AV2, the CH-SETTING menu changes as shown on the right, and the colour mode changes in the following order:
AUTO ↔ PAL ↔
↔ N358 ↔ N443



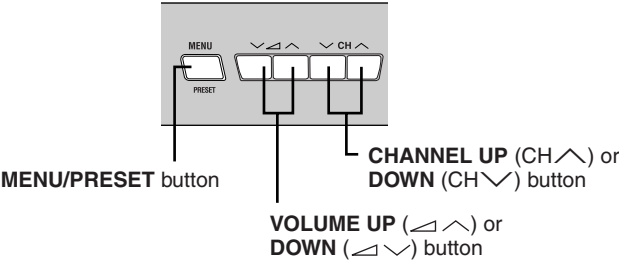
Selecting the Menu Items

This TV set allows you to adjust the picture, and set the channels and other features using the On-Screen Display with the remote control or from the TV set. Select the desired menu item by following the steps below and then refer to the indicated page for details.

Remote control



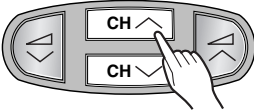
TV set

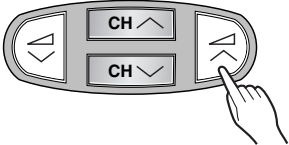


Selecting a menu item with the remote control

- 1 Press the **MENU** button to call the MENU screen.

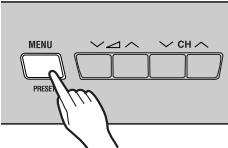

- 2 Press the **CHANNEL UP** (CH ^) or **DOWN** (CH v) button to select the desired menu item.

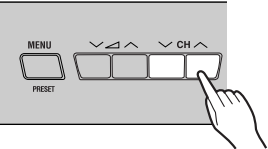
 - The “♦” mark moves up or down.
 - The “♦” mark indicates the selected menu item.
 - The selected item is highlighted in yellow.
- 3 Press the **VOLUME UP** (CH ^) or **DOWN** (CH v) button to enter the selected menu item.

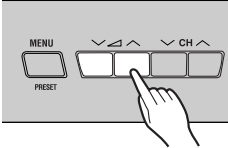


Selecting a menu item from the TV set

- 1 Press the **MENU/PRESET** button to call the MENU screen.


- 2 Press the **CHANNEL UP** (CH ^) or **DOWN** (CH v) button to select the desired menu item.

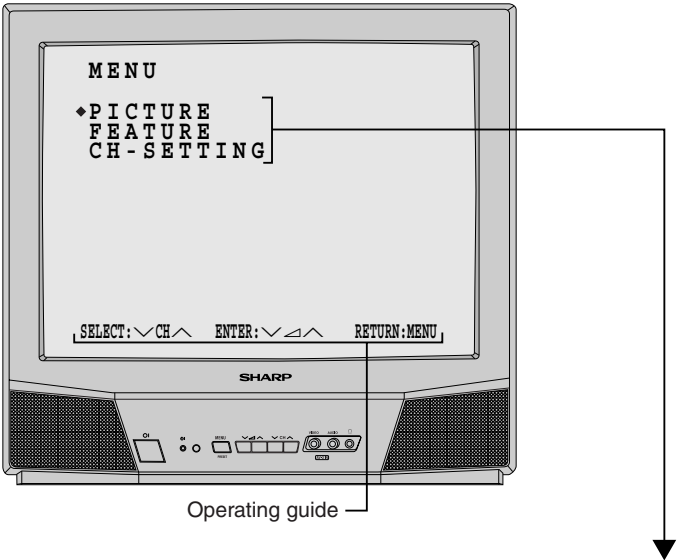
 - The “♦” mark moves up or down.
 - The “♦” mark indicates the selected menu item.
 - The selected item is highlighted in yellow.
- 3 Press the **VOLUME UP** (CH ^) or **DOWN** (CH v) button to enter the selected menu item.



NOTE

- If you press the **MENU/PRESET** button for more than two seconds, the **PRESET** mode screen will appear instead of the **MENU** screen. To display the **MENU** screen, press the **MENU/PRESET** button until the normal screen appears, then press the button again.

Menu Items



PICTURE

- ◆ CONTRAST
- COLOUR
- BRIGHTNESS
- TINT
- SHARPNESS
- WHITE TEMP

SELECT: <CH> ADJUST: <V> <A> RETURN: MENU

```

FEATURE
*OFF  [ ]  - - - -
ON    [ ]  - - - -
VOLUME  - - - -
M       - - - -
BLUE BACK  ON

```

SELECT: √ CH ∨ ADJUST: √ ◀ ∨ RETURN: MENU

```

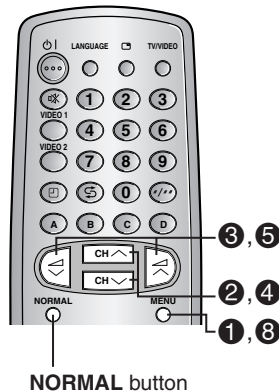
CH-SETTING
*POSITION          CH 8
COLOUR-SYSTEM      AUTO
SKIP                OFF
FINE                123.45MHz

SELECT:VCH^ ADJUST:V^A^ RETURN:MENU

```

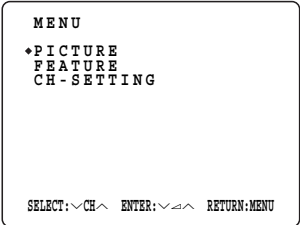
Picture Adjustment

Adjusting the Picture

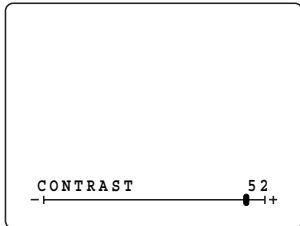
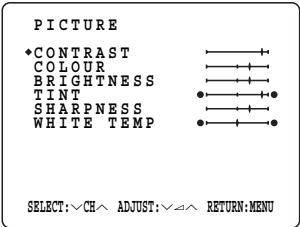


- 1 Press the **MENU** button to call the MENU screen.
- 2 Press the **CHANNEL UP** (CH ^) or **DOWN** (CH v) button to select "PICTURE".
- 3 Press the **VOLUME UP** (v) or **DOWN** (v) button to display the PICTURE menu.
- 4 Press the **CHANNEL UP** (CH ^) or **DOWN** (CH v) button to select the adjustment items.
- 5 Adjust using the **VOLUME UP** (v) or **DOWN** (v) button.
- 6 Wait for approximately 5 seconds to return to the PICTURE menu.
- 7 Repeat steps 4 and 5 above to adjust other items.
- 8 Press the **MENU** button until the normal screen appears.

(MENU screen)



(PICTURE menu)



NOTE

- Pressing the **NORMAL** button while a PICTURE selection is displayed, only the selected mode is reset to the standard (factory-setting) position.
- Pressing the **NORMAL** button while the PICTURE menu screen is displayed will reset all the items of PICTURE menu to the standard (factory-setting) position.

PICTURE menu screen

The following table lists the adjustment items shown in the PICTURE menu screen and how they change as you press the **VOLUME UP** (v) or **DOWN** (v) button.

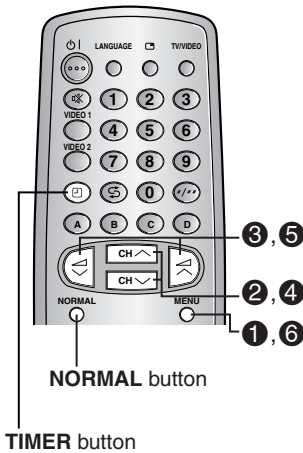
Selected Item	Press the (v) button	Press the (v) button
CONTRAST	To decrease contrast ← →	To increase contrast ← →
COLOUR	For less colour intensity ← →	For more colour intensity ← →
BRIGHTNESS	For less brightness ← →	For more brightness ← →
TINT*-1	To move tint toward red ● ●	To move tint toward green ● ●
SHARPNESS	For less sharpness ← →	For more sharpness ← →
WHITE TEMP	To reddish background ● ●	To bluish background ● ●

• WHITE TEMP can only be adjusted on the PICTURE menu.

*-1: TINT can only be selected and adjusted when receiving NTSC signals or Colour System is set to N443/N358.

Feature Adjustment

OFF Timer: Automatically turns power off after a set length of time has passed.



- 1 Press the **MENU** button to call the MENU screen.

NOTE

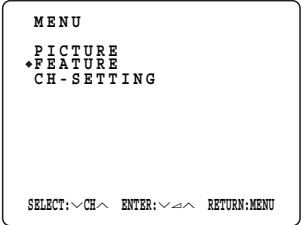
- Press **TIMER** button will enter directly to FEATURE menu screen.

- 2 Press the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button to select "FEATURE".
- 3 Press the **VOLUME UP** ($\nearrow$) or **DOWN** ($\searrow$) button to display the FEATURE menu.
- 4 Press the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button to select "OFF $\square$ ".

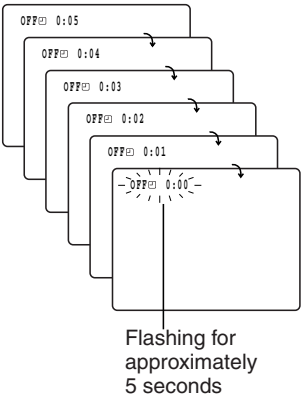
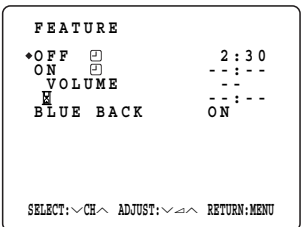
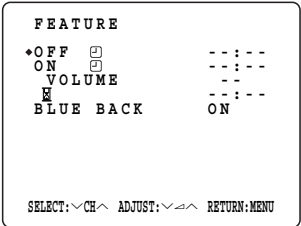
- 5 Press the **VOLUME UP** ($\nearrow$) or **DOWN** ($\searrow$) button to set the time for the TV to turn off.
- Maximum time that can be preset is 12 hours and 50 minutes.
 - As soon as the time is entered, the timer starts to count down.

- 6 Press the **MENU** button until the normal screen appears.
- 5 minutes before the OFF TIMER activates, the remaining time is displayed on the screen.
- When the preset length of time (in the example, 2 hours and 30 minutes) has passed, the TV set enters the Standby mode.

(MENU screen)



(FEATURE menu)

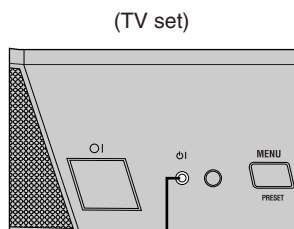
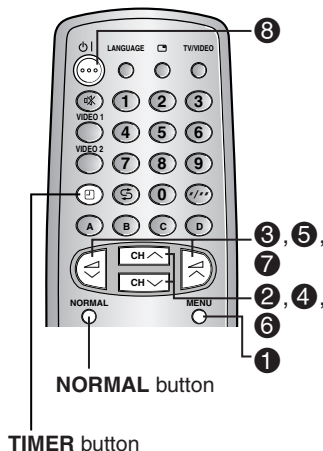


NOTE

- To cancel the timer setting, press the **NORMAL** button when "◆" is displayed on the left of "OFF $\square$ " so as to set the timer to "- - : - -".
- The timer can be set in 10 minute intervals.
- The OFF TIMER is cancelled if the power is turned off or set to the standby mode using the **STANDBY/ON** ($\odot$) button on the remote control or the **POWER** ($\bigcirc$) switch on the TV set, or if the power is otherwise interrupted.

ON Timer:

Automatically turns power on after a set length of time has passed.



- 1 Press the **MENU** button to call the MENU screen.

NOTE

- Press **TIMER** button will enter directly to FEATURE menu screen.

- 2 Press the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button to select "FEATURE".
- 3 Press the **VOLUME UP** ($\nearrow$) or **DOWN** ($\searrow$) button to display the FEATURE menu.
- 4 Press the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button to select "ON $\square$ ".
- 5 Press the **VOLUME UP** ($\nearrow$) or **DOWN** ($\searrow$) button to set the time for the TV to turn on.
 - Maximum time that can be preset is 12 hours and 50 minutes.
 - As soon as the time is entered, ON TIMER starts to count down.
- 6 Press the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button to select "VOLUME".
- 7 Press the **VOLUME UP** ($\nearrow$) or **DOWN** ($\searrow$) button to set the volume.
 - Maximum volume can be preset is 60.
- 8 Press the **STANDBY/ON** ($\odot$) button to put the TV set into Standby mode. The ON TIMER indicator lights up in orange. When the preset length of time (in the above example, 8 hours) has passed, the power turns on and a picture appears on the screen. The ON TIMER speaker volume gradually increases from zero to the preset volume.

(MENU screen)

```

MENU
  PICTURE
  *FEATURE
  CH-SETTING
    
```

SELECT: $\vee$ CH $\wedge$ ENTER: $\vee$ $\searrow$ RETURN: MENU

(FEATURE menu)

```

FEATURE
OFF  $\square$  -:-:-
*ON  $\square$  -:-:-
  VOLUME -:-:-
  BLUE BACK ON
    
```

SELECT: $\vee$ CH $\wedge$ ADJUST: $\vee$ $\searrow$ RETURN: MENU

```

FEATURE
OFF  $\square$  -:-:-
*ON  $\square$  8:00
  VOLUME -:-:-
  BLUE BACK ON
    
```

SELECT: $\vee$ CH $\wedge$ ADJUST: $\vee$ $\searrow$ RETURN: MENU

```

FEATURE
OFF  $\square$  -:-:-
*ON  $\square$  8:00
  VOLUME 13
  BLUE BACK ON
    
```

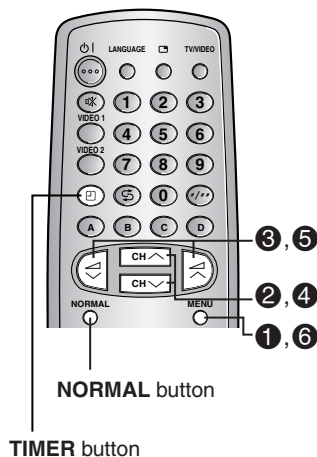
SELECT: $\vee$ CH $\wedge$ ADJUST: $\vee$ $\searrow$ RETURN: MENU

NOTE

- To cancel the timer setting, press the **NORMAL** button when "♦" is displayed on the left of "ON $\square$ " so as to set the timer to "-:-:-".
- The timer can be set in 10 minute intervals.
- Always use the **STANDBY/ON** ($\odot$) button on the remote control (Standby mode) to turn off the power. The ON TIMER setting is cancelled if the power is turned off using the **POWER** ($\odot$) switch on the TV set.
- If the TV set is turned on by the ON TIMER, then the TV set will be automatically turned off in 2 hours if no buttons are pressed on the TV set or remote control.
- The picture that appears on the screen, having been turned ON by the ON TIMER is set to the channel and volume prior to the Standby mode.
- If the volume was not preset during the ON TIMER setting ("-:-:-" displayed), then it is set to the volume prior to the Standby mode when the TV set is turned on by the ON TIMER.

Reminder:

This function lets you know when a preset length of time has passed by displaying a countdown timer on the screen. This is useful for timer cooking while you watch TV.



- 1 Press the **MENU** button to call the MENU screen.

NOTE

- Press **TIMER** button will enter directly to FEATURE menu screen.

- 2 Press the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button to select "FEATURE".
- 3 Press the **VOLUME UP** ($\nearrow$) or **DOWN** ($\searrow$) button to display the FEATURE menu.
- 4 Press the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button to select "1".
- 5 Press the **VOLUME UP** ($\nearrow$) or **DOWN** ($\searrow$) button to set the time.
 - Maximum time that can be preset is 12 hours and 50 minutes.

NOTE

- The right example shows that the REMINDER will be activated after 1 hour 50 minutes.

- 6 Press the **MENU** button until the normal screen appears.

5 minutes before the preset length of time has passed, the remaining time is displayed as shown on right.

When the preset length of time (in above example 1 hour 50 minutes) has passed, the "1:00" mark turns red.

NOTE

- The Reminder function also works when the TV set is in the Standby mode. Power is automatically turned on and performing above action. After completion of these actions, the TV set returns to Standby mode automatically.

(MENU screen)

```

MENU
PICTURE
♦FEATURE
CH-SETTING
    
```

SELECT: $\vee$ CH $\wedge$ ENTER: $\vee$ $\searrow$ $\swarrow$ RETURN: MENU

(FEATURE menu)

```

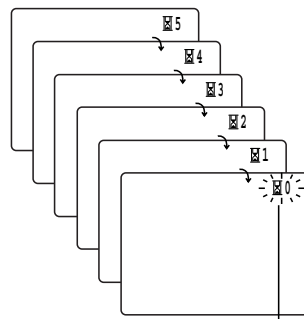
FEATURE
OFF  [ ]
ON   [ ]
♦VOLUME
BLUE BACK ON
    
```

SELECT: $\vee$ CH $\wedge$ ADJUST: $\vee$ $\searrow$ $\swarrow$ RETURN: MENU

```

FEATURE
OFF  [ ]
ON   [ ]
♦VOLUME
BLUE BACK 1:50 ON
    
```

SELECT: $\vee$ CH $\wedge$ ADJUST: $\vee$ $\searrow$ $\swarrow$ RETURN: MENU



Flashing for approximately 1 minute

NOTE

- To cancel the REMINDER setting, when the "♦" is displayed on the left of the REMINDER, press the **NORMAL** button to set the timer to "- - : - -".
- The REMINDER is cancelled if the **POWER** (O) switch on the TV set is turned off or if the power is otherwise interrupted.
- The time can be set in ten-minute intervals. Pressing the **NORMAL** button to reset the set time.

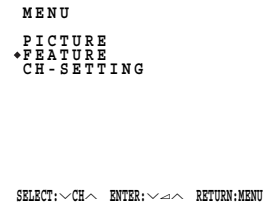
Blue Back:

Automatically turns the screen blue after 5 seconds if the broadcast signal is not received. (e.g. when a TV station goes off the air.) After 15 minutes of non-reception, the TV set enters Standby mode.

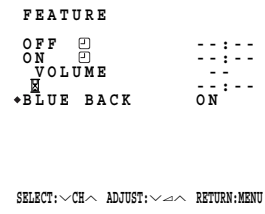


- 1 Press the **MENU** button to call the MENU screen.
- 2 Press the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button to select "FEATURE".
- 3 Press the **VOLUME UP** ($\nearrow$) or **DOWN** ($\searrow$) button to display the FEATURE menu.
- 4 Press the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button to select "BLUE BACK".
- 5 Press the **VOLUME UP** ($\nearrow$) or **DOWN** ($\searrow$) button to select "ON".
- 6 Press the **MENU** button until the normal screen appears.

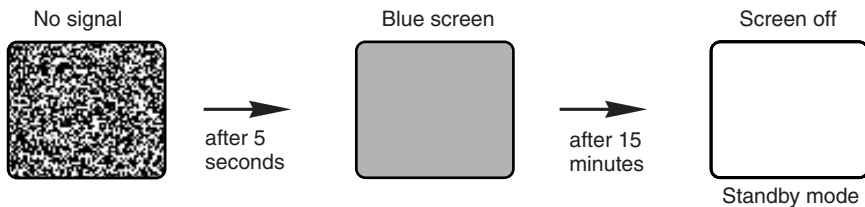
(MENU screen)



(FEATURE menu)



When the BLUE BACK is set to "ON"



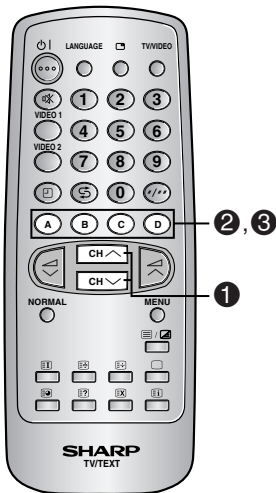
NOTE

- Poor reception due to weak signals, and too much noise might activate the BLUE BACK function, despite the presence of a broadcast signal. To continue watching TV under these conditions, switch the BLUE BACK to "OFF".
- When the OFF TIMER is set, the OFF TIMER setting has priority over BLUE BACK.
- During BLUE BACK, only Feature and CH-Setting menu are accessible.

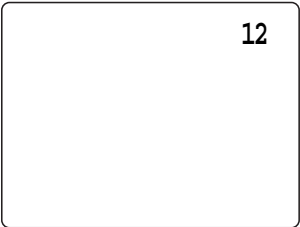
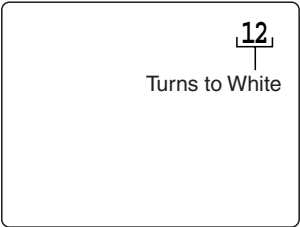
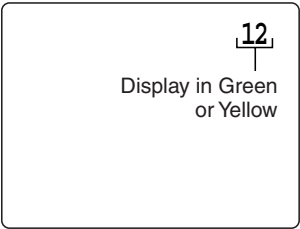
Other Functions

Favourite Channels:

Using the COLOUR buttons on the remote control, your favourite channels can be selected by just pressing one button. There are four COLOUR buttons (A, B, C, D) to preset up to four channels.



- 1 Press the **CHANNEL UP** (CH $\wedge$) or **DOWN** (CH $\vee$) button to select your favourite channel. (e.g., Channel 12)
 - The channel number is green while the channel is tuned by auto tuning.
 - The channel number is yellow while the channel is tuned using fine tuning.
- 2 Press the **COLOUR** buttons (A/B/C/D) continuously until the Channel number turns from Green/Yellow to White. The display disappear after 3 seconds. The selected channel is preset.
- 3 To watch favourite channel press **COLOUR** buttons (A/B/C/D). The preset favourite channel will be displayed. (e.g. Channel 12)
- 4 To preset another favourite channel, repeat the step 1 and 2 above.
 - To change preset favourite channel, repeat the step 1 and 2 above.



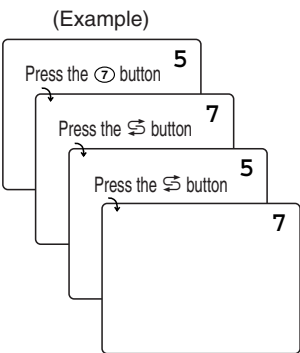
Flashback:

Switches back to the channel you were watching just before the current channel.

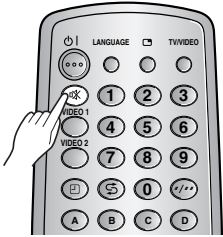


Press the **FLASHBACK** (Flashback symbol) button. The channel previously viewed returns to the screen.

Example:
If after switching from channel 5 to channel 7 the **FLASHBACK** (Flashback symbol) button is pressed, the channel will change to channel 5. Press the **FLASHBACK** (Flashback symbol) button again to return to channel 7.



🔇 Sound Mute:
Silences the sound.



- 1 Press the **SOUND MUTE** (🔇) button. The sound mute symbol (🔇) appears on the screen, and the sound is silenced.
- 2 Press the **SOUND MUTE** (🔇) button again. The volume returns to its previous level.

🔇



Press the 🔇 button

NOTE

- Sound Mute will be cancelled if the **VOLUME UP** (🔊) or **DOWN** (🔊) button is pressed at any time.

📺 Call:

Displays the current channel number, the timer and other settings on the screen.



- 1 Press the **CALL** (📺) button. The time remaining on the OFF TIMER, ON TIMER and REMINDER appear on the screen.
- 2 Press the **CALL** (📺) button again. The channel number and colour system are displayed on the screen.
- 3 Press the **CALL** (📺) button once again. The channel number display disappears and the screen returns to normal screen.

📺 1:30
OFF 0:07
ON 8:07

5
PAL

NOTE

- When no timer is set, the channel number and colour system appear on the screen. Press the **CALL** (📺) button again to clear this current setting display from the screen.

TV/Video, Video 1, Video 2:

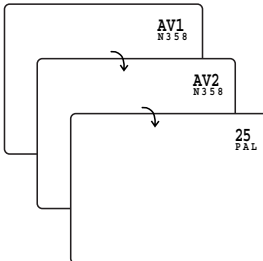
Switches between TV broadcasts and AV input programmes.



Each time you press the **TV/VIDEO** button, the input switches between AV1, AV2 and TV programme.

NOTE

- Press **VIDEO 1** button to enter directly to AV1.
- Press **VIDEO 2** button to enter directly to AV2.
- Press **CHANNEL SELECT** buttons to returns to TV programme.



TELETEXT Broadcasts

COLOUR (A, B, C, D)

- If link-page data are transmitted from the TV station, each link-page can be viewed using the Colour buttons.
- If no link-page data are transmitted, pressing a Colour button selects the following pages, respectively:
 - Ⓐ : Current page No. minus 1
 - Ⓑ : Current page No. plus 1
 - Ⓒ : Current page No. plus 10
 - Ⓓ : Current page No. plus 100

Index

- Press the  button to display the index page.

Hold

- Press the  button to freeze the Teletext image presently on the screen.
- Press the  button again to turn off Freeze mode.

Time

- While the TV is in Text, Mix or Cancel mode, use the  button to specify the subcode (S---) for Teletext pages transmitted in Multi-page mode. Enter the desired subcode using the numeric buttons (0-9).
- If the TV station currently being viewed is broadcasting Teletext, the present-time information can be displayed on the screen by pressing the  button.

Reveal

- Press the  button to display hidden information, such as the answers to a quiz.
- Press the  button a second time to hide the displayed information.
- Press the  button a third time to return to the start of the sequence.

Top/Bottom/Full

- Press the  button to enlarge the top half of the Teletext image presently on the screen.
- Press the  button a second time to enlarge the bottom half of the Teletext image presently on the screen.
- Press the  button a third time to restore the regular Teletext image.
- Press the  button a fourth time to return to the start of the sequence.

Text/Mix

- Press the  button to display the initial page of a Teletext broadcast.
- Press the  button again to simultaneously display the TV picture and Teletext in a split screen format.

Picture

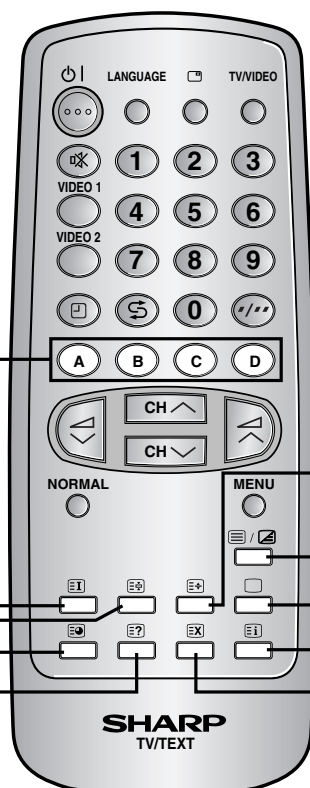
- Press the  button when in Teletext, Mix or Cancel mode to return to TV mode. If the  button is pressed next, the previous page of the Teletext broadcast is re-displayed.

Reset

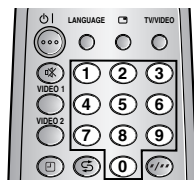
- Press the  button to return to TV mode. If the  button is pressed next, the initial page of the Teletext broadcast is re-displayed.

Cancel

- Press the  button to return to TV mode, and the numeric buttons (0-9) and Colour buttons to select Teletext pages.



Text Page Selectors (0-9)



- While the TV is in Text, Mix or Cancel mode, the numeric buttons (0-9) can be used to directly select a page of the Teletext broadcast that has a 3-digit number.

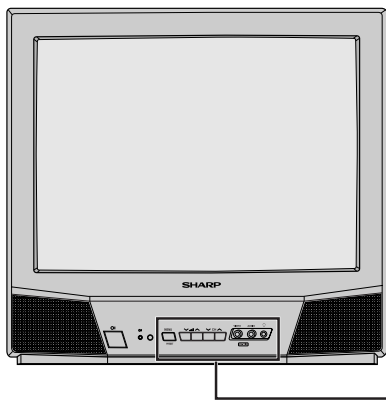
NOTE

- The display on which teletext appears has priority over other on-screen displays.

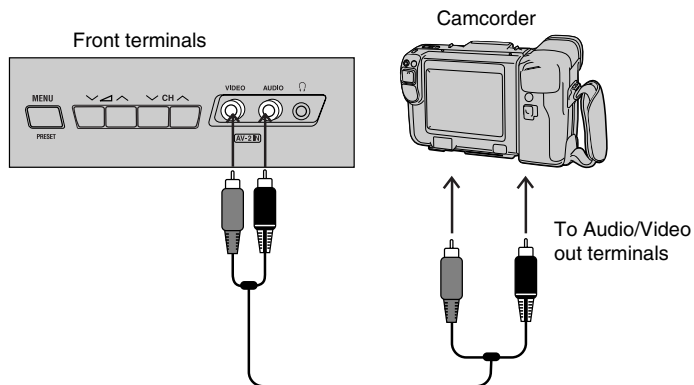
Video Equipment Connections

Enjoy the stunning visuals of a VIDEO CD PLAYER or VCR by connecting them to this TV set through its audio/video in terminals.

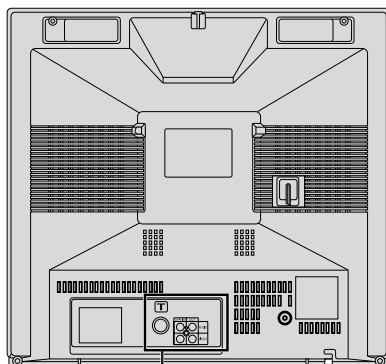
FRONT



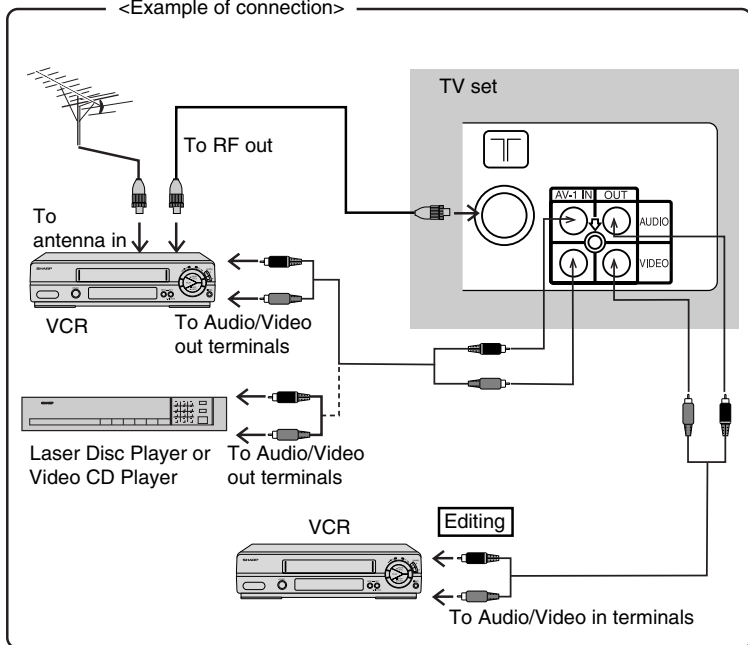
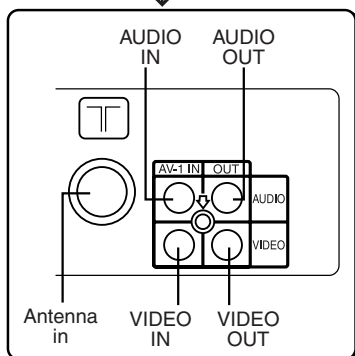
<Example of connection>



REAR



<Example of connection>



NOTE

- When a VCR is connected via the Antenna in, tune the TV to the VCR using preset **channel 0**.

Troubleshooting

The following problems do not always indicate a hardware failure. Therefore, please use the troubleshooting guide below before calling for repair service.

If, after following the guide none of the remedies work, unplug the TV set and call for service.

Quick Service Check List	Problems	Remote control does not work	Bars on screen	Picture distorted	Picture rolls vertically	No colour	Poor reception on some channels	Picture weak	Picture lines or streaks	Picture ghosting	Picture blurred	Sound OK, picture poor	Picture OK, sound poor	No picture or sound
		Possible Causes/Remedies												
Try a new channel to check for possible station trouble				●	●	●	●	●	●	●	●	●	●	●
TV not plugged in Outlet power OFF		●												●
POWER switch of TV not ON		●												●
Antenna not connected to terminal at the rear of the TV set						●	●	●		●		●		●
If outside antenna is used, check for broken wires			●	●	●	●	●	●	●	●	●	●		●
Check for local interference			●		●		●		●	●		●	●	
Turn OFF using the POWER switch, then turn ON again after a minute		●												●
Adjust COLOUR control						●		●				●		
Check batteries in the remote control		●												
Try fine tuning to correct				●		●		●			●	●		
Contrast setting in picture mode might be all the way to the minus side. Press the NORMAL button on the remote control to correct												●		●
Increase the volume													●	●

This unit is equipped with a microprocessor. Its performance could be adversely affected by external electrical noise or interference. If this should happen, unplug the unit and plug it in again after a few minutes.

Specifications

MODEL		CX51LTXZ	
Receiving System			
TV Broadcasts /VCR Playback		PAL-B/G	
VCR Playback (Using Video-in terminals)		PAL 60 Hz NTSC 3.58 MHz NTSC 4.43 MHz	
Laserdisc Player Playback (Using RF-in terminals)		PAL 5.5 MHz/60 Hz	
Reception Channels			
PAL-B/G	VHF	AU0-AU12 ch, NZ1-NZ11 ch, E2-E12 ch	
	UHF	E21-E69 ch	
CATV		S1-S20 ch, S21-S41 ch (Hyper)	
Receiving Frequency		44.25 MHz – 863.25 MHz	
Teletext Language		English	
Channel Tuning		100-channel Electronic Tuner with Full Auto Tuning System	
Picture Tube		51 cm Tinted	
Terminals		Audio/Video input × 2 (Front × 1, Rear × 1) Audio/Video output × 1 (Rear) , Headphone jack (Front × 1)	
Sound Output		3.0 W (RMS)	
Power Source		Rated AC 220-240V, 50 Hz	
Power Consumption		85 W	
Dimensions		499 (W) × 474 (H) × 486 (D) mm	
Weight		20 kg (Approx.)	

- Design and specifications are subject to change without notice.
- Receiving System;
These receiving systems, encompassing all currently available technology, include those with planned broadcast, videotape and laserdisc hardware and software.
- Reception channels;
Some examples of the main receivable channels are shown above.

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